# **INDEX**

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	IN1	INDEX / EXISTING UTILITIES
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3	SQ1	SUMMARY OF QUANTITIES
4	BA1	LAYOUT AND OVERLAY DETAILS
5	BA2	CONSTRUCTION STAGING
6	BA3	BRIDGE SECTION AND DRAINAGE DETAILS
7	CS1	CONSTRUCTION SIGNING PLAN
	TC1-TC3	TRAFFIC CONTROL PLAN
8-10	101-103	TRAFFIC CONTROL PLAN

# **EXISTING UTILITIES**

	UTILITY LOCATIONS STATE ROUTE NO: SR-127												
BEG. MP	END MP	LT/RT/XING	AERIAL/BURIED - DESCRIPTION										
HOLDER: I	PIONEER TE	LEPHONE CO											
10.19	10.19	XING	BURIED -18X TELEPHONE CABLE IN 2" X 50'BIP CASING										
10.32	10.32	XING	BURIED - 12X TELEPHONE CABLE IN 2" BIP CASING										
10.44	10.44	XING	BURIED - 6X TELEPHONE CABLE IN 2" X 50'BIP CASING										
10.50	10.50	XING	BURIED - NEW 24 COUNT FIBER OPTIC LINE IN 1 1/4" SCH. 80 CONDUIT.										
10.58	11.61	LEFT	BURIED - 24 FIBER & 6X BOTH WITHIN 1 OF 2 HDPE SDR 11 2" CONDUITS										
HOLDER: I	NLAND POW	/ER & LIGHT											
10.21	26.98	вотн	OTHER - POWER CABLE										
	·												
HOLDER: C	WEST CORF	PORATION dba CENT	URYLINK										
8.02	8.95	LEFT	BURIED - 11 PAIR TELECOMMUNICATION CABLE										

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	K:\452205\127\00965_Elmer_C	_Huntley_Snake_River_Bridge\Design\_CAD\_Sheets\010-In	idex\XL6603_F	PS_IN	1.dgn		
TIME	7:37:20 AM				REGION NO.	STATE	FED.AID PROJ.NO.
DATE	11/2/2022					WASH	
PLOTTED BY	JohnCra				10	WASH	
DESIGNED BY	C. JOHNSTON				JOB N	UMBER 020	
ENTERED BY	C. JOHNSTON				221	020	
CHECKED BY	B. THOMAS				CONTR	ACT NO.	LOCATION NO.
PROJ. ENGR.	B. HOOKER						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

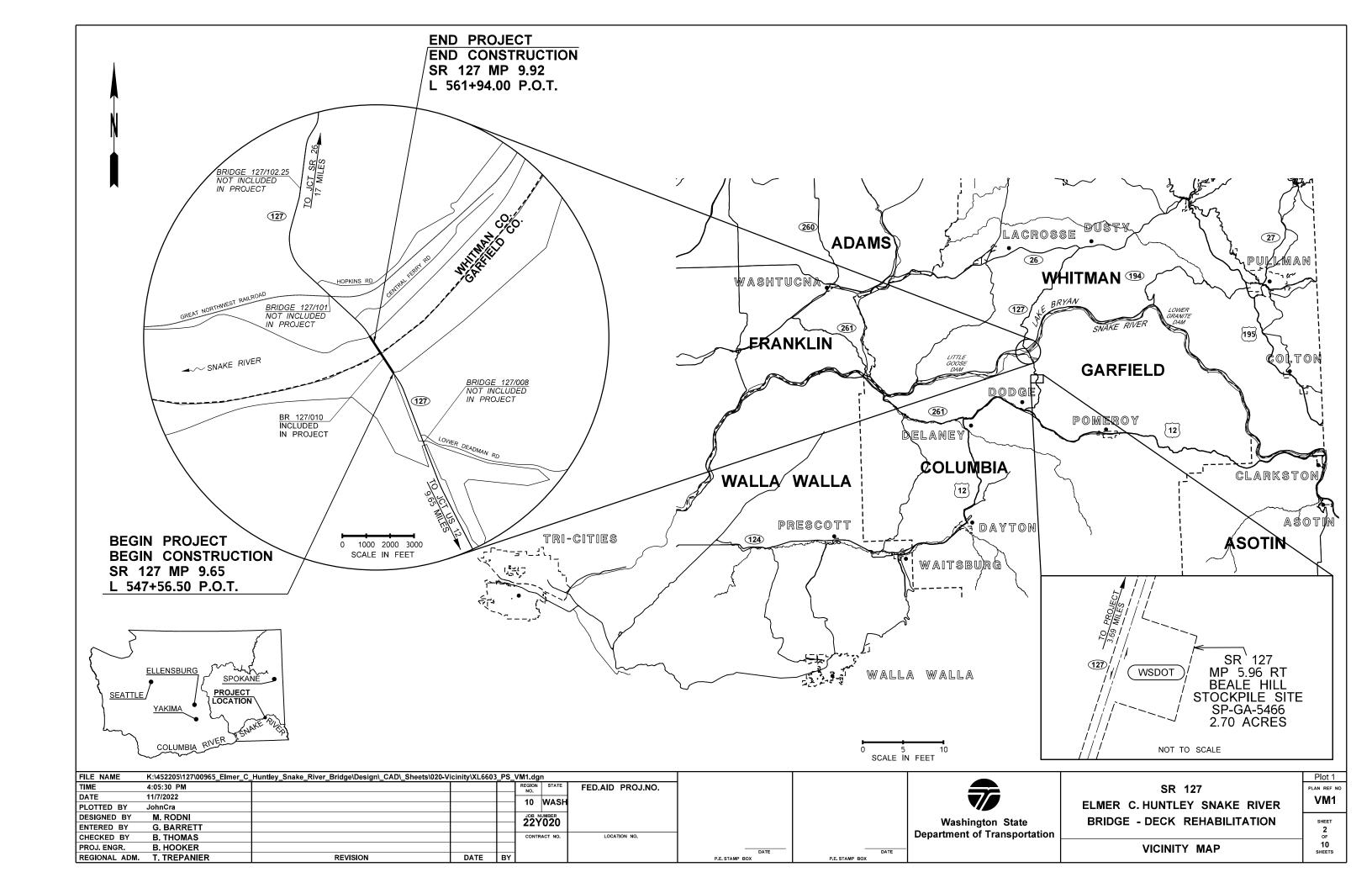
Washington State
Department of Transportation

SHEET

SR 127
ELMER C. HUNTLEY SNAKE RIVER
BRIDGE - DECK REHABILITATION

INDEX / EXISTING UTILITIES

Plot 1
PLAN REF NO
IN1
SHEET
1
OF
10
SHEETS



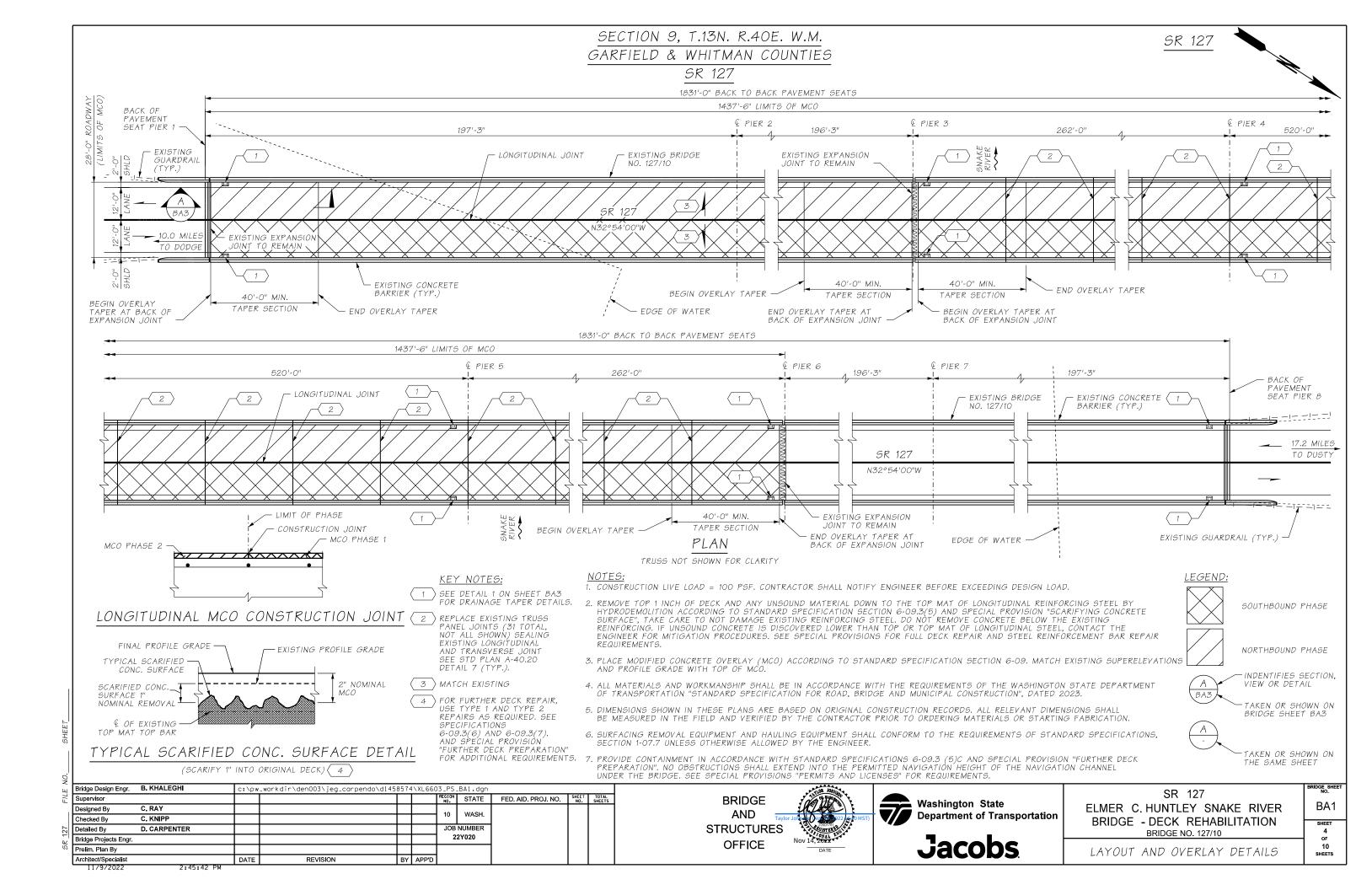
# SUMMARY OF QUANTITIES

11/9/202	22
	$\neg$

	_		_									_		_	_	_	_		_	
		SUB-TOTAL	SUB-TOTAL				GROUP 1	GROUP 1	GROUP 2	GROUP 2	GROUP 3									
ITEM	TOTAL	SECTION	SECTION	STD.			BR 127/10	SR 127	BR 127/10	SR 127	THIRD									
NO	OLIANTITY	I-07.2(1) OF	I-07.2(2) OF	ITEM NO.	UNIT	ITEM	L 547+56.50	MAINLINE	L 556+72.00	MAINLINE	PARTY									
	QUANTITY	STANDARD	STANDARD	NO.			TO L 556+72.00	GARFIELD CO.	TO L 561+94.00	WHITMAN CO.	DAMAGES									
		SPECS	SPECS					""	2001101100	00.										
			ĺ	i i		PREPARATION											İ			
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	L.S.										
2	200.00		200.00	0187	L.F.	REMOVING PAINT LINE	<u> ji</u>	100.00		100.00		1					1			
													1				1			
						STRUCTURE							1				1			
3	6734.00		6734.00	4232	C.F.	MODIFIED CONC. OVERLAY	4,309.80		2,424.20				1				1			
4	4490.00		4490.00	4233	S.Y.	FINISHING AND CURING MODIFIED CONC. OVERLAY	2,870.00		1,620.00			1	1							
5	4490.00		4490.00	4456	S.Y.	SCARIFYING CONC. SURFACE	2,870.00		1,620.00											
6	1000.00		1000.00	1 1	S.F.	FURTHER DECK PREPARATION - EXIST. REPAIR MATERIAL	640.00		360.00						1		1			
7	90000.00		90000.00	4463	DOL	FORCE ACCOUNT FORMS FOR FULL DEPTH DECK REPAIR	57,600.00		32,400.00						1					
- 8	3000.00		3000.00	4465	S.F.	FURTHER DECK PREPARATION FOR TYPE 1 DECK REPAIR	1,920.00		1,080.00						1		1			
9	2500.00		2500.00	4467	S.F.	FURTHER DECK PREPARATION FOR TYPE 2 DECK REPAIR	1,600.00		900.00						1		1			
							_][					1								
						CEMENT CONCRETE PAVEMENT	_][					1								
10	868.00		868.00	5706	L.F.	SEALING EXISTING LONGITUDINAL AND TRANSVERSE JOINT	556.00		312.00			1								
												1								
			1			EROSION CONTROL AND ROADSIDE PLANTING	_] [					1								
11	5000.00		5000.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	3,000.00		2,000.00			1								
			1									1								
			1			TRAFFIC						1					1			
12	7510.00		7510.00			PAINT LINE		4,190.00		3,320.00										
13	28.00		28.00			TEMPORARY STOP LINE - SHORT DURATION		14.00		14.00										
14	LUMP SUM					PORTABLE TEMPORARY TRAFFIC CONTROL SIGNAL		L.S.		L.S.										
15	6144.00		6144.00	6993		PORTABLE CHANGEABLE MESSAGE SIGN		3,072.00		3,072.00		1	<u> </u>		<u> </u>	<u> </u>				
16	4800.00	<u> </u>	4800.00	<u> </u>		RADAR SPEED DISPLAY SIGN	_!	2,400.00		2,400.00		<u> </u>		<u> </u>	<u> </u>	<u> </u>				
17	LUMP SUM	<u> </u>				PROJECT TEMPORARY TRAFFIC CONTROL	_!!	L.S.		L.S.		<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>			
18	25000.00	<u> </u>	25000.00	7572		WORK ZONE SAFETY CONTINGENCY	13,870.00	1,703.00	7,845.00	1,582.00		<u> </u>								
19	430.00	<u> </u>	430.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	_!!	215.00		215.00		<u> </u>								
بللبا		<u> </u>	<u> </u>	<u> </u>			_!!	<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	!	<u> </u>	<u> </u>		
بللبا		<u> </u>	<u> </u>	<u> </u>		OTHER ITEMS	_!	<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	!	<u> </u>	<u> </u>		
20	LUMP SUM	<u> </u>				STRUCTURE SURVEYING	L.S.		L.S.			<u> </u>								
21	40000.00	<u> </u>	40000.00	7715		FORCE ACCOUNT ST. REINF. BAR FOR DECK REINF. REPAIR	25,600.00		14,400.00			<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>			
22	5000.00	<u> </u>	5000.00			ROADSIDE CLEANUP	_!!	2,500.00		2,500.00		<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	1		
23	5.00	<u> </u>	5.00			REIMBURSEMENT FOR THIRD PARTY DAMAGE	_!!	<u> </u>			5.00	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	1		
24	-1.00	<u> </u>	-1.00	7728		MINOR CHANGE	-1.00	<u> </u>				<u> </u>	1							
25	-1.00	<u> </u>	-1.00			AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00	<u> </u>			ļ.	<u> </u>								
26	LUMP SUM	<u> </u>				SPCC PLAN	L.S.	<u> </u>	L.S.			<u> </u>		<u> </u>	<u> </u>	<u> </u>		1		
27	LUMP SUM	<u> </u>	LUMP SUM	1941	L.S.	BIRD PROTECTION AND MONITORING	L.S.	<u> </u>	L.S.			<u> </u>		<u> </u>	<u> </u>	<u> </u>		1		
1 1			<u> </u>																	

GROUP	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
LEGEND	1	127	120200	**	STATE - CWA
	2	127	381200	**	STATE - CWA
	3	127	120200	**	STATE 3RD PARTY

		REGIO	ON STATE	FEDERAL AID PROJECT. NO.		OD 407	SQ1
			WA			SR 127	301
		.,			Washington State	ELMER C. HUNTLEY SNAKE RIVER	SHEET
			B NUMBER		Department of Transportation	BRIDGE - DECK REHABILITATION	3
		2:	2Y020/2		Department of Transportation		- OF
		COI	NTRACT NO			SUMMARY OF QUANTITIES	10
DATE	REVISION	BY (	000000				SHEETS



28'-0"

ROADWAY WIDTH

1'-6"

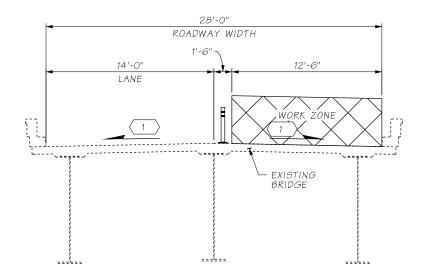
LANE

WORK ZONE

1

EXISTING
BRIDGE

WORKING HOURS



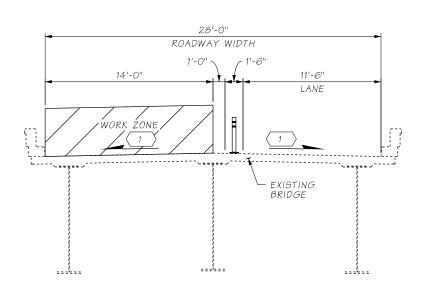
NOTES:

1. SEE SHEETS TC1 - TC2 FOR TRAFFIC CONTROL DETAILS

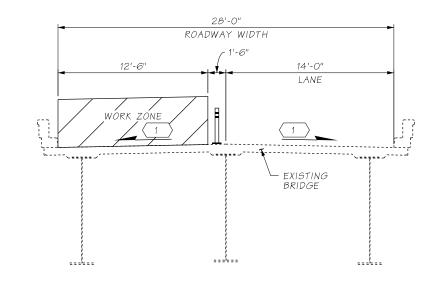
NON-WORKING HOURS

### SOUTHBOUND PHASE CONSTRUCTION

LOOKING NORTHBOUND TYPICAL GIRDER SPANS (1-2, 6-7) SHOWN, TRUSS SPANS (3-5) SIMILAR



WORKING HOURS



KEY NOTES:

1 MATCH EXISTING

NON-WORKING HOURS

## NORTHBOUND PHASE CONSTRUCTION

LOOKING NORTHBOUND TYPICAL GIRDER SPANS (1-2, 6-7) SHOWN, TRUSS SPANS (3-5) SIMILAR

ž												
	Bridge Design Engr.	B. KHALEGHI	C:\pw	_workdir\den003\jeg_carpendo\d145	8574	1/XL660	3_PS.	BA2.dgn				
FIL	Supervisor						REGION NO.	STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS	
	Designed By	C. RAY					10	WASH.				İ
	Checked By	C. KNIPP					10	WASH.				İ
	Detailed By	D. CARPENTER						NUMBER				İ
₽  -	Bridge Projects Engr.						2	2Y020				İ
Ø,	Prelim. Plan By											İ
	Architect/Specialist		DATE	REVISION	BY	APP'D				l		ĺ

11/9/2022

2:48:27 PM

BRIDGE
AND Taylor John Dispersion of the Control of

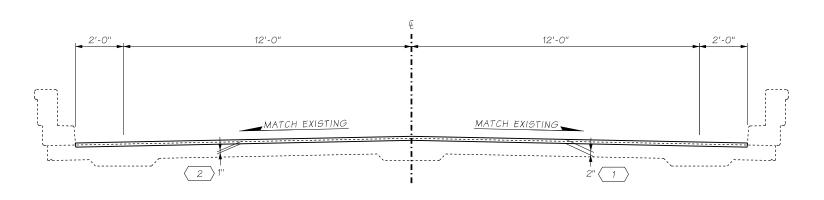


SR 127
ELMER C. HUNTLEY SNAKE RIVER
BRIDGE - DECK REHABILITATION
BRIDGE NO. 127/10

CONSTRUCTION STAGING

SHEET
5
OF
10
SHEETS

BA2

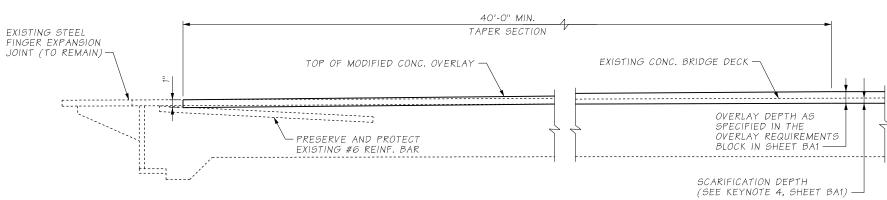


### BRIDGE SECTION

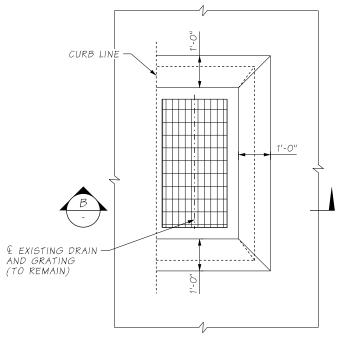
BRIDGE: 127/10

#### KEY NOTES:

- 1 MODIFIED CONC. OVERLAY
- 2 SCARIFYING CONC. SURFACE



SECTION (PIER 1 TAPER SHOWN, OTHER TAPER TO JOINT DETAILS SIMILAR AT PIERS 3 AND 6)

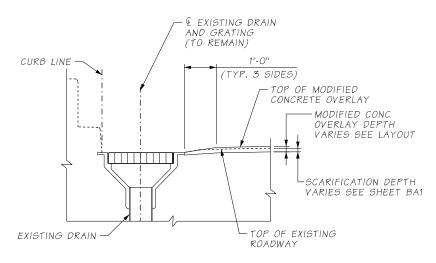


#### NOTES:

1. FOR OVERLAY DEPTH AND TRANSITION DETAILS, SEE BRIDGE SHEET BA1.

2. BRIDGE DRAINS SHALL BE PLUGGED IN ACCORDANCE WITH STANDARD SPECIFICATION 6-09.3(5)C.





SECTION

2												
	Bridge Design Engr.	B. KHALEGHI	C:/bw	_workdir\den003\jeg_carpendo\d1458	3574	1/XL660	3_PS.	.BA3.dgn				
FIL	Supervisor						REGION NO.	STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS	
	Designed By	C. RAY					10	WASH.				
	Checked By	C. KNIPP					10	WASH.				
	Detailed By	D. CARPENTER						NUMBER				
& -	Bridge Projects Engr.						2:	2Y020				
Ŋ	Prelim. Plan By											
	Architect/Specialist		DATE	REVISION	ΒV	ΔΡΡΊ						

**BRIDGE** AND STRUCTURES OFFICE

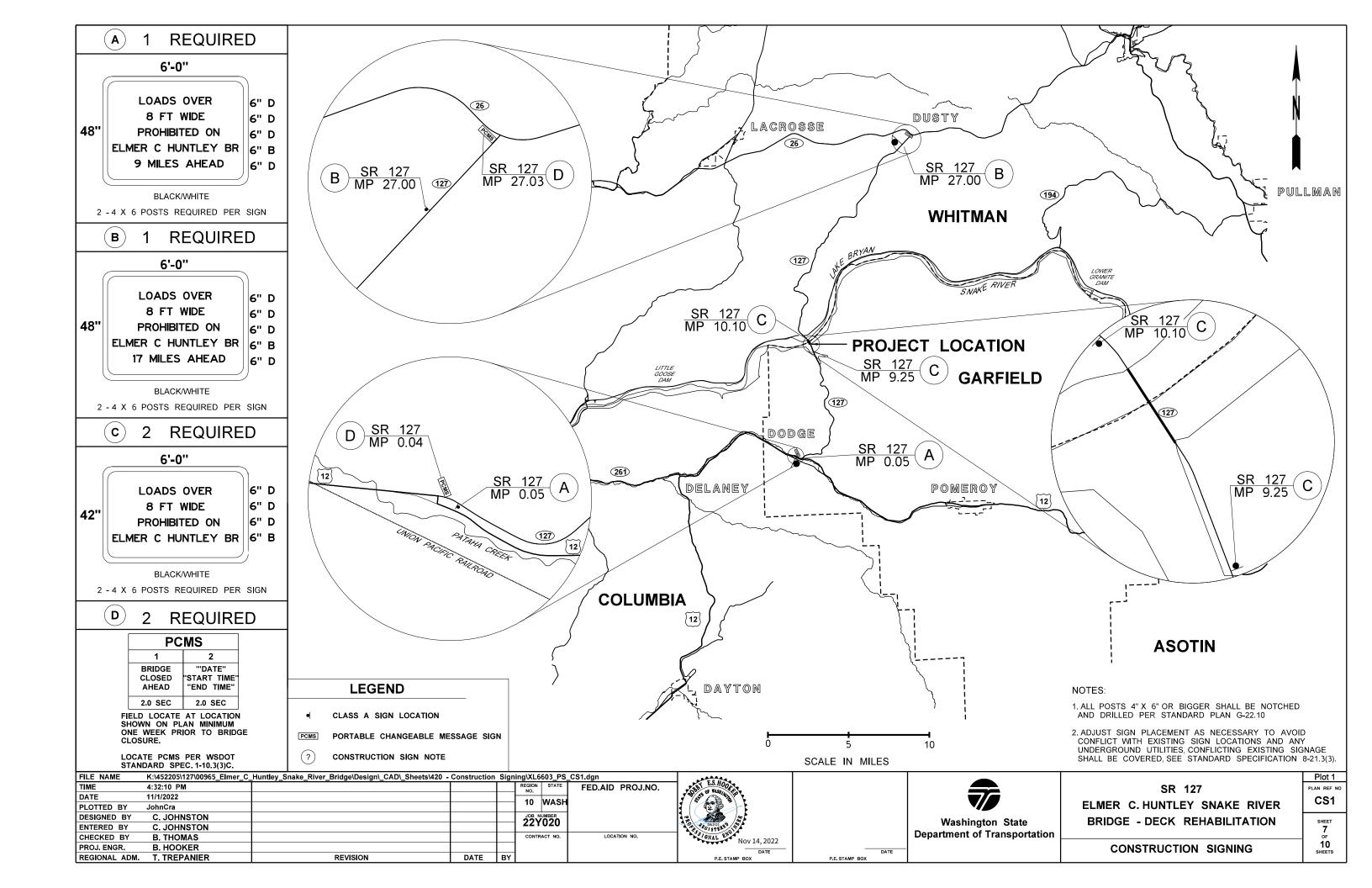


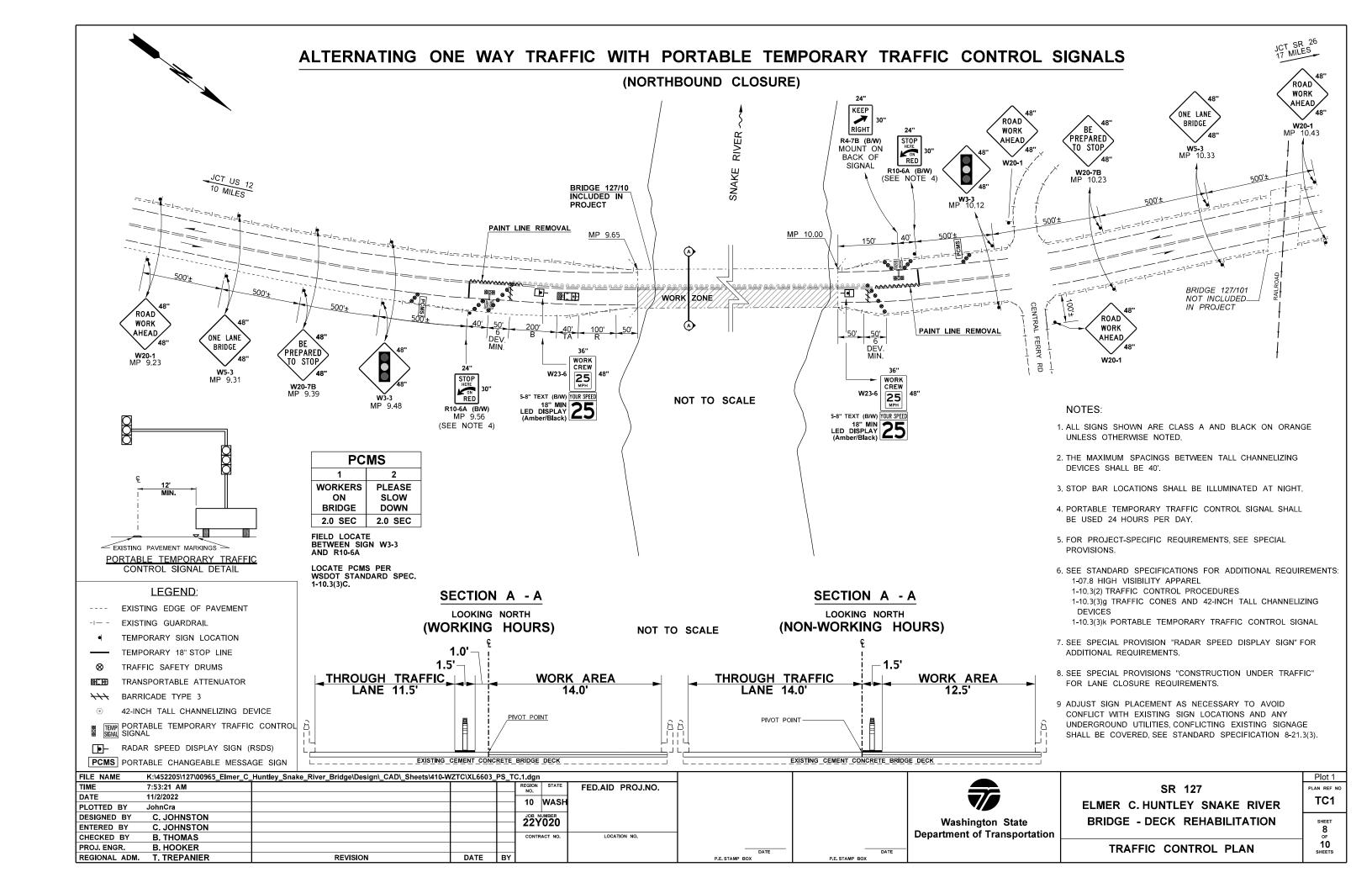
011 121
ELMER C. HUNTLEY SNAKE RIVER
BRIDGE - DECK REHABILITATION
BRIDGE NO. 127/10
BRIDGE SECTION AND
DRAINAGE DETAILS

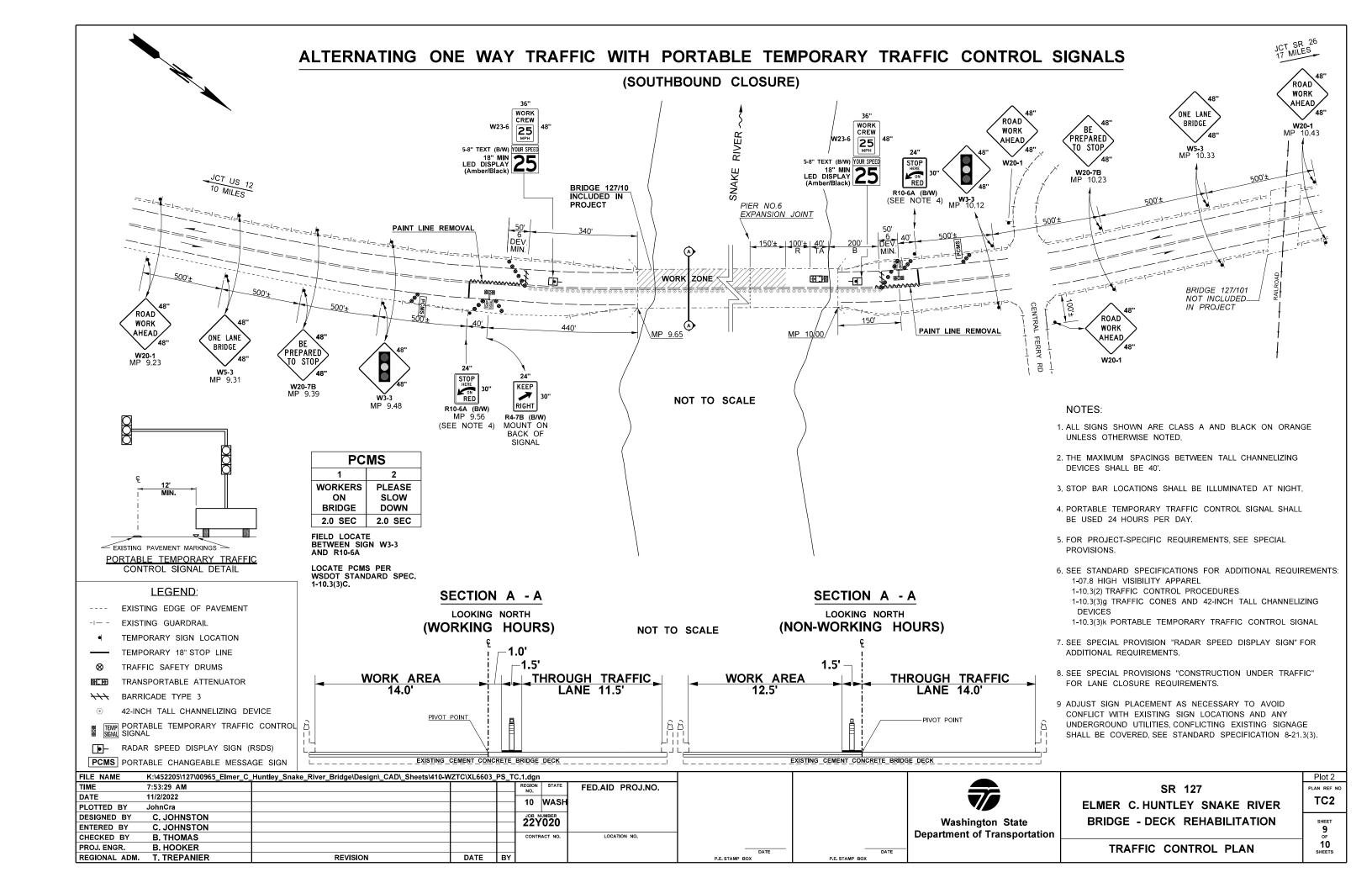
SR 127

BA3 SHEET 6 OF 10

11/9/2022







LONGITUDINAL BUFFER SPACE = B													
SPEED (MPH)	20	25	30	35	40	45	50	55	60	65			
LENGTH (feet)	115	155	200	250	305	360	425	495	570	645			

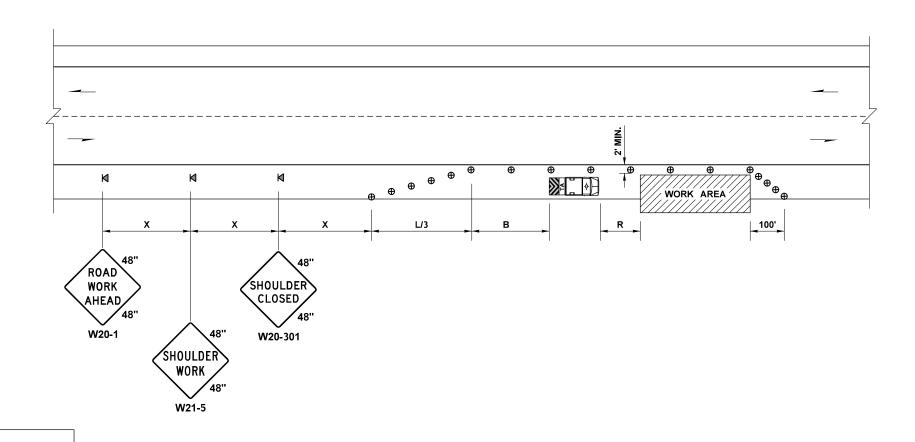
STATIONARY T	RANSPORTA	BLE ATTEN	NUATOR ROLL	AHEAD DIST	ANCE = R				
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. HOST VEHICLE WEIGHT 22,001+ lbs.									
UP TO 40 MPH	45-55 MPH	60+ MPH	UP TO 40 MPH	60+ MPH					
100'	123'	172'	74'	100'	150'				

PROTE	CTIVE VEH	ICLE ROLI	AHEAD	DISTANCE	= R	
	NO SPEC	IFIED DIST	ANCE RE	QUIRED.		
TRATEGICALLY	POSITION	WORK VE	HICLE TO	PROTECT	WORK	CREW.

SIGN SPACING	= X (1)							
RURAL HIGHWAYS	60-65 MPH	800' +/-						
RURAL ROADS	45-55 MPH	500' +/-						
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-						
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)						
URBAN STREETS 25 MP	H OR LESS	100' +/- (2)						
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.								
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.								

SHOULDER CLOSURE TAPER LENGTH = L/3											
SHOULDER WIDTH	SPEED (MPH)	20	25	30	35	40	45	50	55	60	65
6'	1 /2 (foot)	40	40	40	60	60	90	120	120	120	160
10'	L/3 (feet)	40	40	60	90	90	150	200	200	200	240
FOR SHOULDERS LESS THAN 6', USE 3 DEVICES MINIMUM											

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)								
MPH	TAPER	TANGENT						
50-70	40	80						
35-45	30	60						
20-30	20	40						



#### LEGEND

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM

TRANSPORTABLE ATTENUATOR

# SHOULDER CLOSURE - HIGH SPEED

NOT TO SCALE

#### NOTES:

- NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
- 2. SIGNS ARE BLACK ON ORANGE REFLECTIVE BACKGROUND UNLESS
- 3. All SIGNS SHOWN ARE CLASS B UNLESS OTHERWISE NOTED.

FILE NAME	K:\452205\127\00965_Elmer_C_Hui	ntley_Snake_River_Bridge\Design\_CAD\_Sheets\41	0-WZTC\XL6603	_PS_TC.1.dgn							Plot 3
TIME	7:53:35 AM			REGION NO.	STATE	FED.AID PROJ.NO.				SR 127	PLAN REF NO
DATE	11/2/2022			10	WASH						TC3
PLOTTED BY	JohnCra			10	WASH					ELMER C. HUNTLEY SNAKE RIVER	
DESIGNED BY	C. JOHNSTON			JOB NI	MBER 020				Washington State	BRIDGE - DECK REHABILITATION	SHEET
ENTERED BY	C. JOHNSTON			221	020				1		10
CHECKED BY	B. THOMAS			CONTRA	CT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	B. HOOKER	·					DATE	DATE	-	TRAFFIC CONTROL PLAN	10 SHEETS
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			5.122.10